

<110> Hansen, J. Norman

<120> Construction and Screening of Lantibody Display Libraries

<130> 108172-00056

<150> 60/215,449

<151> 2000-06-29

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 2517

<212> DNA

<213> Artificial Sequence

<220>

<223> The EcoRI-HindIII insert of the pLPVc integrative plasmid.

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catcgcttaa agtttttttg ttttaaaaac ttaaaaaaca tggtaaaatt atataaaaac 180

ataagaaaga gtgattatat ggaatatgta gttatgataa tcattttatt agcacttttc 240

tttattttta ctgttttcct aaatacacgt tatagttttg atgaaaaatg cttagtctta 300

aaatttggtt tatctaaaac agaaattcca attaatacaa tagtttagtat taaagagtca 360

gacaagtatg gagttgcaga taatatcgat tataaaaattg gtatgccata tgctcaacca 420

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ttcctttata ttaaaaaatg taatccggat tgcaaacaaa tggggagggt ttacaaatgg 1740

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gaaaagctca gtgtgctgcg ttgtggctac aatgtgctag tggcgggtaca attggttggtg 1860

gtggcggagc tgttgcttgt caaaactatc gtcaattctg cagataaaac attttagtag 1920

ggaatatatt aaatatccc tcatatttaa agcggggatt gaaattgaat aagaaaaaga 1980

aatatgttca tactaaacag ttaatatgct atgattgtgg actagcttgt atctcgtaa 2040

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aggaaggcta tagtttaaga gacttaattg ttatttttaa gaagatgggg ataaaaacta 2160

ggccactga attgcaagaa aataagacat tcgaagccct aaaacaaata aagctccctt 2220

gtatagcttt gttagaaggg gaggaatatg gacattacat aacaatatac gaaattagaa 2280

ataactattt acttgtagt gatcctgata aagacaaaat aactaaaata aaaaaagagg 2340

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aagaaaaaga tcaaaaaaaaa cattcttact ttittaagga catactttt agaaataaat 2460

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<211> 300

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence of sunA-PG20-SL gene and its corresponding peptide sequence.

<220>

<221> CDS

<222> (1)..(300)

<223>

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atg gaa aag cta ttt aaa gaa gtt aaa ctc gag gaa ctc gaa aac caa 48
Met Glu Lys Leu Phe Lys Glu Val Lys Leu Glu Glu Leu Glu Asn Gln
1 5 10 15

aaa ggt agt gga tta gga aaa gct cag tgt gct gcg ttg tgg cta caa 96
Lys Gly Ser Gly Leu Gly Lys Ala Gln Cys Ala Ala Leu Trp Leu Gln
20 25 30

tgt gct agt ggc ggt aca att ggt tgt ggt ggc ggc gcc gtt gct tgt 144
Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Gly Ala Val Ala Cys
35 40 45

caa aac tat cgt caa ttc tgt aga ggt ggt ggt ggg gga ggc ggg gga 192
Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly Gly Gly
50 55 60

ggg ggt ggt ggt gga gga ggt ggt ggt ggt ggt ggt atg tca aag ttc 240
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe
65 70 75 80

gat gat ttc gat cta gat gtt gtg aaa gtc tct aaa caa gac tca aaa 288
Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys
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atc act ccg caa 300
Ile Thr Pro Gln
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<212> PRT
<213> Artificial Sequence

<220>
<223> The peptide sequence of sunA-PG20-SL.

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Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Gly Ala Val Ala Cys
35 40 45

Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly Gly
50 55 60

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe
65 70 75 80

Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys
85 90 95

100

[illegible]